H. Xu
An SVD-like matrix decomposition and its applications 1

C. Jordán, J.R. Torregrosa and A.M. Urbano
Completions of partial P-matrices with acyclic or non-acyclic associated graph 25

O. Rojo and R.L. Soto
Existence and construction of nonnegative matrices with complex spectrum 53

J. Bochi
Inequalities for numerical invariants of sets of matrices 71

X.-G. Liu and H. Gao
On the positive definite solutions of the matrix equations $X^s \pm A^T X^{-t} A = I_n$ 83

S. Chen
Some determinantal inequalities for Hadamard product of matrices . 99

G. Cravo and F.C. Silva
The number of nonconstant invariant polynomials of matrices with several prescribed blocks 107

D.A. Gewurz
Enumeration of orbits on cycles for linear and affine groups 117

W. Barrett and S. Pierce
Null spaces of correlation matrices 129

J.-C. Bourin
Total dilations 159

G. Dahl
The doubly graded matrix cone and Ferrers matrices 171

B. Zalar
On semigroups of normal matrices 191

J.A. Hermida-Alonso and M.T. Trobajo
The dynamic feedback equivalence over principal ideal domains . . . 197

L.H. Harper and D. Dreier
The edge-isoperimetric problem on the 600-vertex regular solid 209

Table of Contents continues

M. Radjabalipour
Additive mappings on von Neumann algebras preserving absolute values 229

Y. Gao
Lattices generated by orbits of subspaces under finite singular unitary group and its characteristic polynomials 243

K.ch. Das
An improved upper bound for Laplacian graph eigenvalues 269

C. Brezinski and M. Redivo Zaglia
A Schur complement approach to a general extrapolation algorithm 279

J.M. Varah
Positive definite Hankel matrices of minimal condition 303

D. de Werra
Partitioning the edge set of a bipartite graph into chain packings: complexity of some variations 315

R. Alam and S. Bora
Effect of linear perturbation on spectra of matrices 329

R. Mahony and P.-A. Absil
The continuous-time Rayleigh quotient flow on the sphere 343

H.-L. Gau and P.Y. Wu
Finite Blaschke products of contractions 359

G. Ji
Asymptotic similarity-preserving linear maps on $\mathcal{B}(\mathcal{H})$ 371

J.-M. Guo
On the Laplacian spectral radius of a tree 379

Author index to volume 368 387

CONTENTS Direct This journal is part of **ContentsDirect**, the *free* alerting service which sends tables of contents by e-mail for Elsevier Science books and journals. You can register for **ContentsDirect** online at: **http://contentsdirect.elsevier.com**